

10-15-1937

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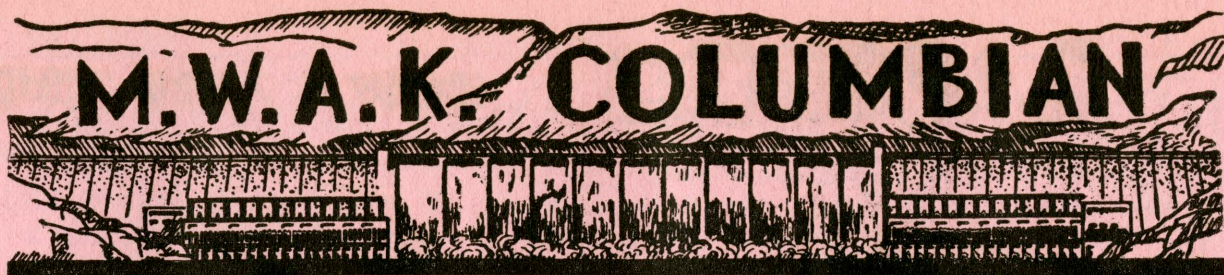
Mason-Walsh-Atkinson-Kier Co.

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SAFETY
DEPARTMENT

MASON-WALSH-ATKINSON-KIER CO.
BUILDERS OF COULEE DAM

MASON CITY
WASHINGTON

Vol. 5 No. 41

M. Pete Shrauger--Editor

Oct. 15, 1937

Safety Engineer

OVER TWENTY MILLION TEETH HAVE BEEN FILED

Machinists from the shop area found a place for the tons of small punchings. They used them as ballast in excavation shovels. But the fine scrapings from 850 saws in use here simply cannot find a suitable use. The results they leave, however, justify a rest. They have been needed to increase the efficiency in the speed of operation, effectiveness of the cut on wood, lifetime of the saw itself, and at the same time become a safety measure. No serious saw accidents have occurred.

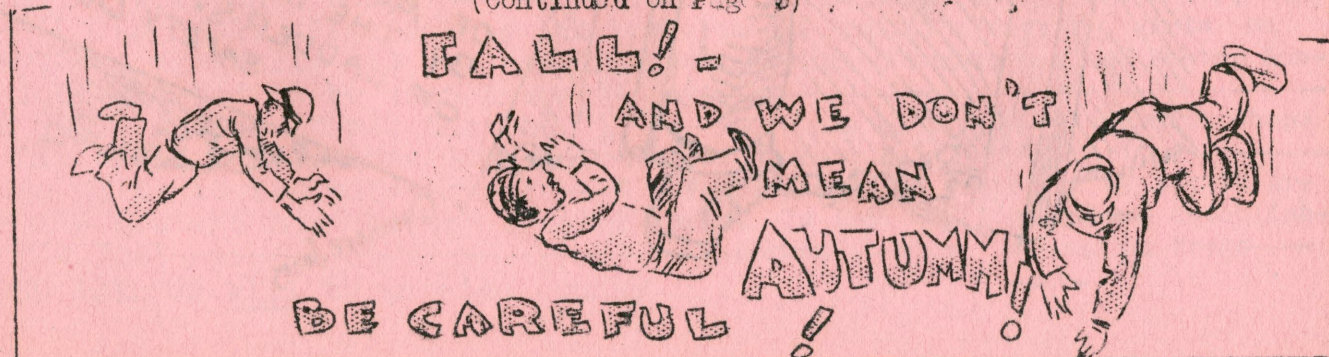
Approximately 20½ million saw teeth have been filed to date, studied calculations show. The number of teeth filed is the customary record of work performed. Calculations are based upon the number of saws filed and the known number of teeth a particular saw contains.

About 150 saws of all kinds are filed each day for three types of filing; for fra- en on an average of 40 sharp-edged cutting ming, felling, and green timber work. Fil- tools per day, such as chisels, plane bits ing must always consider the timber to be adzes, hand axes and the like. They com- cut, as to whether it is green, dirty, dry, plotely overhaul on an average of two skil- pitted with rocks or other substances. For saw machines per week and five electric green timbers a 10 per cent slope is given drills each day. In addition they stell- to the chisel of a tooth, which is a long, ite star drills for the bureau of recla- beveled lance tooth for slicing. In green nation, braze and weld chains for engineers

(Continued on Page 4)

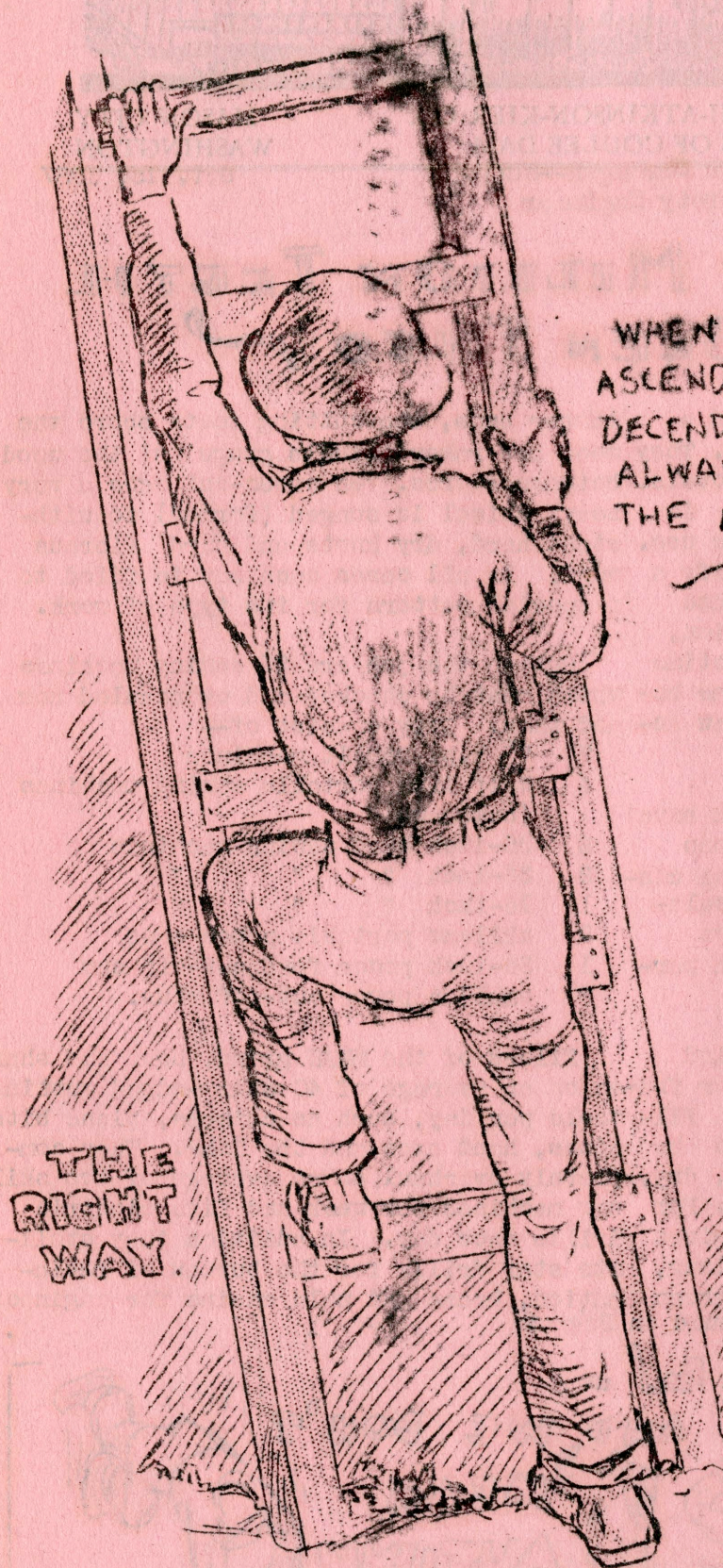
Out on the job are 25 sawing machines which must be checked and overhauled now and then. They consist of--

- 3 7½ h.p. Devalt machines
- 4 Wolf link portable sawing machines (bullsaws)
- 2 36-inch band sawing machines
- 2 32-inch " " "
- 1 16-inch " " "
- 9 skilsaw portable power saws
- 1 36-inch power feed cut-off saw
- 3 smaller power cut-off saws.



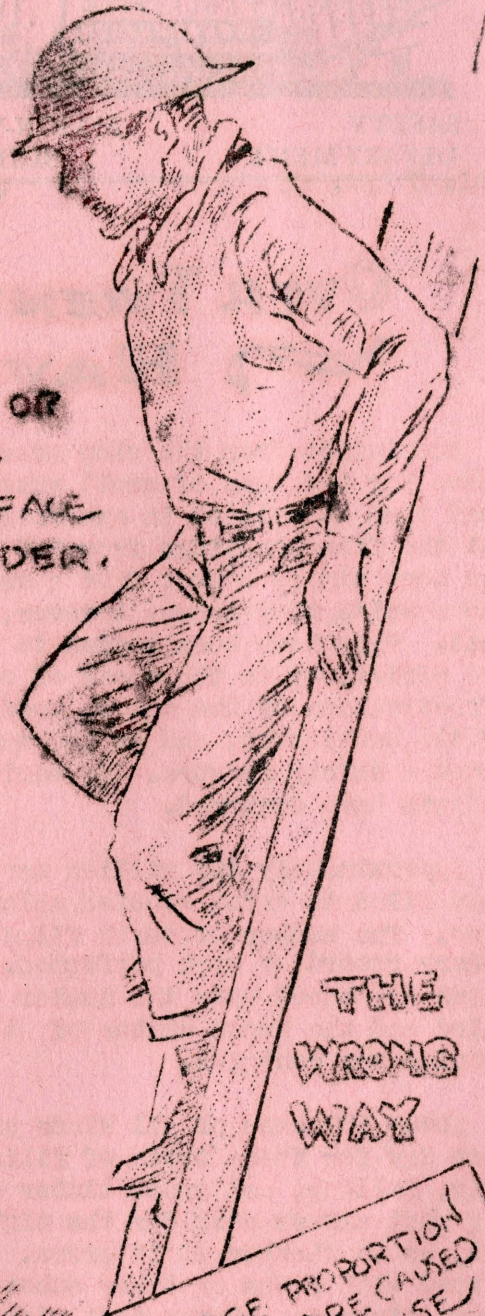
LADDERS

HOW TO USE THEM



**THE
RIGHT
WAY.**

WHEN
ASCENDING OR
DESCENDING
ALWAYS FACE
THE LADDER.



**THE
WRONG
WAY**

"A LARGE PROPORTION
OF ACCIDENTS ARE CAUSED
BY THE IMPROPER USE
OF LADDERS." —
SAFETY DEPT.

Glennmore Jones

The Crystal Ball

A YEAR AGO

STANLEY GRAPP--He's a big boy now. He's a man who doesn't have to eat peanut butter or jello any more.

----JACK SKITTROW--If you want to borrow any money, just go to him-- He's picked up some money on baseball, something Ed Evans couldn't do.

R. F. WOODS admitted that he spent his money before he got it--but he got it, and that makes a difference

----BASIL WARREN, "You mean that is my car. But it hasn't the same shape as when it left!"

W. H. HOGUE picked up some extra horses that he doesn't have to feed

----ANDY WALKER, "Gimme a 2-to-1 bet against Pit and I'll take you."

J. H. MINER has been taking a first-hand glimpse of Denver

----"STEVE" STEVENSON, battler from Seattle, "Watch me flatten him, I betcha, I betcha."

EMIL ROBERTS, "Trash racks? No, I dub them catchers."

----RUSS MERRICK wants to know when he'll get a private phone

ARTHUR A. IVES knew an auto vanished in the night, and now: "Welcome home, little car."

----YOU BEFRIEND A CARELESS WORKMAN IF YOU CAUSE HIM A LAY-OFF BEFORE AN ACCIDENT, INSTEAD OF WAITING UNTIL FINGERS OR A HAND IS LOST EVENTUALLY

OLE OLEANDER wonders seriously how it would be to feel like a green persimmon

----GEORGE ROSKOWYK was curious as to what a deer looks like; now he knows

ROBERT L. STEVENSON, "You can't get away with it--You can't accuse me of having written a book."

----WILLIAM HEALY, "It isn't a bit funny, but my family did get red in the face and had to be shut in."

HUGH ODOR--And so it was that he and his small family came down out of the hills to the water's edge

----DAVE COLLINS has started scratching his feet

HAROLD ABELSON will be married Sunday

----First of 13 buildings along the west pit move to top of riprap to meet diversion plans

----C grouting on west side ends and shift record of 3,570 sacks placed is set

----One 5-foot lift for each of nine blocks remain before diversion

----Employment reaches high with 5,526 at dam site

----Prepare for removal of west low trestle

----Bureau of reclamation rules that various political parties have authority to solicit contributions in Mason City

----HOW LONG WOULD YOUR SAVINGS LAST IF YOU WERE DISABLED?

----Soundings of river essentially completed with 40,000 taken



ODD 'N' ENDS

----Two recommendations for fixing an erratic alarm clock have included boiling the clock in vinegar and boiling it in milk

----Colleen Moore's \$5,00,000 doll house required the construction efforts of more than 700 workmen. It contains a miniature solid gold electric organ 15 inches high.

----In proportion to its population, Switzerland turns out the most inventors

----Opossums, when born, are so small that a common teaspoon would hold about 15

----Young robins eat as much as three feet of angle worms in one day

----Elevators in New York City carry 15,000,000 passengers a day and travel 120,000 miles every 24 hours

----WANTED--MORE EMPLOYEES WHO WILL PRACTICE BEING CAREFUL

----Six boys and three girls were born on holidays in one family in Massachusetts. The boys arrived on Christmas, Labor Day, the Fourth of July, April Fool's day, Halloween and Armistice day; the girls on Thanksgiving, Columbus day and Easter Sunday

----There are nearly 500 blacksmith shops still operating in New York city

----Bullfrogs are protected by law in Arizona. In 1933 the legislature established a permanent close season on frogs

AMBULANCE
DRIVER

THE
DOCTOR

THE
NURSE

THE
FIRST AID
MAN



NICE PEOPLE SOCIALLY-
BUT WHY MEET THEM
PROFESSIONALLY?
BE CAREFULL!

MWAK SAFETY DEPT.

FILE 20,000,000 TEETH

(Continued from Page 1)

and perform other duties (Vol. 3 No. 37).

Four kinds of saws are in use here:

CROSS-CUT SAWS

The 200 cross-cut saws here are used for general heavy duty. With the exception of handsaws, most of which are privately owned, these have received the most use. Nearly 350,000 teeth have been filed for these cutting implements. From 12 to 18 saws are filed per man for an 8-hour shift.

The saw is built rugged so that it will withstand much abuse, such as the hard knots and the occasional gravel that has been ground into the wood. The height and the angle of the rakes are such that they are strong and will not break when struck by a foreign or hard substance. Results are so styled that the saw will produce the maximum amount of work at the minimum of filing.

CIRCLE SAWS

Circle saws are the discs their name suggests. They consist of four types: combination, rip, cutoff and planer. They vary in size from six to 36 inches in diameter and from 36 teeth to 120 for a cutoff saw.

Circle saws here are filed by grinding and hand filing, are hammer-set, gurned on a semi-automatic gurning machine, and finished by hand for smoother work. When in continuous use here, the 180 circle saws operate from two hours to a day before filing. The most efficient results are the reason.

The system followed for all saws on the Grand Coulee dam is for them to be filed to exact scale and as near to one method and alike as can be done by a group of workmen.

An estimated 325,000 teeth have been filed for circle saws. The rate varies from 10 to 35 minutes for saws with from 36 to 140 teeth each.

BAND SAWS

Sixty-five band saws are in use here. They average 432 teeth per band. Four saws can be filed per hour on an automatic machine. These saws are the only ones filed

purely by machinery. They are in use at the panel yard, the carpenter shop, closure gates and other places.

A band saw travels at the rate of 6,000 feet per minute and cuts about $\frac{1}{2}$ inch in to heavy timber for every revolution of the blade. Types in use are for cross-cutting, for making circle cuts and cones, and the like.

Approximately 390,000 teeth have been filed by the two filing machines. Four bands with 432 teeth each can be filed by the automatic machines each hour.

BULLSAWS

Unusual saws of the group here are the Wolf link saws or bullsaws. One of these saws is composed of a link chain that circles a thin blade which makes the track for the chain to run in. Extra chains are kept filed and a change can be made in the field in a few minutes.

The four portable saws, in continuous operation here, have proved a labor and time saver. Their principal use is for cross-cutting heavy timbers where the work is grouped or in large quantities and the area is somewhat cramped. The air-driven type is designed to operate under water, as for cutting timber piling under the water line.

About 32,000 teeth have been filed. The extremely hard teeth and rakers are ground and hand filed. This requires an hour and a half for one saw.

HANDSAWS

Naturally enough, hand saws are the most common saw with workmen. The huge total of 18,750,000 teeth that have been filed indicate this.

From 350 to 500 are in use, both Company and individually-owned. About 135 individually-owned and 70 Company saws are filed each day. Ninety per cent of these are filed to the same bevel and hook.

* * * *

Miscellaneous saws include meat saws, keyhole saws, 1/8-inch scroll band saws, jointer saws, metal-cutting and mitre saws.

MASON CITY THEATRE

Frank Capra's

LOST HORIZON

RONALD COLMAN

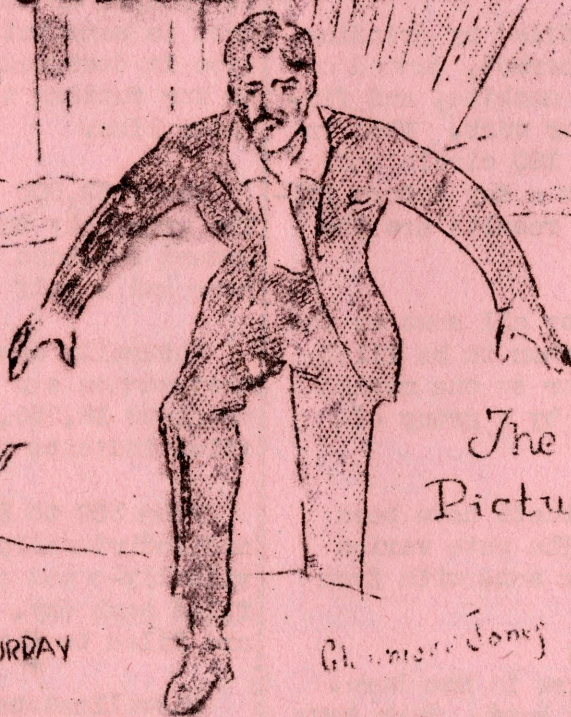
EDWARD EVERETT

HORTON

JANE WYATT

Friday
Saturday
Sunday
Monday

MATINEE FRIDAY-SATURDAY
SUNDAY.



The Greatest Motion
Picture Ever Made!

G. L. Moore Jones

TUES. ONLY MOVIE SWEEPSTAKES
\$ 65

CHURCH

COMMUNITY CHURCH-- The Rev. W. W. Sloan,
Ph. D., pastor

- 9:45 a.m. Church school
11:00 a.m. Morning worship; subject,
"COMMUNISM AND THE CROSS."
7:00 p.m. Vesper services, with the
young people of the Grand Coulee
Community church as guests.
7:30 p.m. Vesper gang party tonight
(FRIDAY).

CATHOLIC CHURCH--Father A. Farrelly, pastor
The winter schedule will be in effect
Sunday.

On Sunday mass will be said at 9 a.m.
in St. Benedict's church, Mason City, and
at 11 a.m. in Grand Coulee. Instructions
for children will be given Saturday morning

CHURCH OF JESUS CHRIST OF LATTER DAY
SAINTS--R. E. Nuttall, Branch President

- 10:30 a.m. Sunday School
11:15 a.m. Departmental works, for adults,
juniors and primary.

ELECTRIC CITY UNION CHURCH

- 11:00 a.m. Sunday School
12:00 a.m. Prayer Meeting
6:30 p.m. Young people's meeting
7:30 p.m. Bible study.

Special services
will be announced for
other dates.

LAYMEN'S GOSPEL HALL
Coulee Center; Warren
E. Hall, pastor

- 10:00 a.m. Bible
school
11:00 a.m. Morning
service
7:00 p.m. Young peo-
ple
7:30 p.m. Evening
worship

SEVENTH DAY ADVENT-
IST (In Electric
City Union church)

Services are held
every Saturday at 9:-
45 a.m., followed by
Bible study.

REMEMBER! BASKETEERS OUT TOMORROW!

All employees of the MWAK or residents
of Mason City who are interested in com-
peting for a berth on the local basketball
team are invited to appear for the first
warming-up exercises tomorrow at 7:30 p.m.
(Saturday). The gym is located in the
school at Government Camp (Coulee Dam).

-oOo-

Fifteen appeared for the initial turn-
out Tuesday night of the bureau of recla-
mation squad.

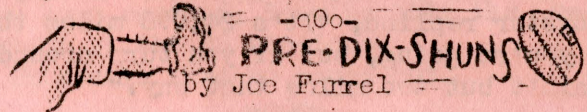
-oOo-

LOCAL BOXERS FACE SPOKANE

The first fistic encounter for the
Grand Coulee Amateur Athletic club will be
held tonight in Spokane. Three local bat-
tlers will headline events against the S.-
A.A.C.

Steve Stevenson, heavyweight, Cliff Rue,
145-pounder, and Joe Wilson, light heavy-
weight, will carry the colors of the area
here, Wilson announced.

-oOo-



Washington over W.S.C., Oregon over U.S.C.,
O.S.C. over U.C.L.A., Idaho over Utah State,
U.S.F. over Montana; St. Mary's over Loyola
Santa Clara over Portland U.

-oOo-

WITH NIGHT TRAFFIC
DEATH RATES 26 TIMES
DAY RATES---

DOES THAT MEAN
ANYTHING TO YOU?

-oOo-

In January, 1934,
an estimated 800 peo-
ple lived in the a-
rea surrounding the
dam. Now that has
reached an estimated
15,000.

-oOo-

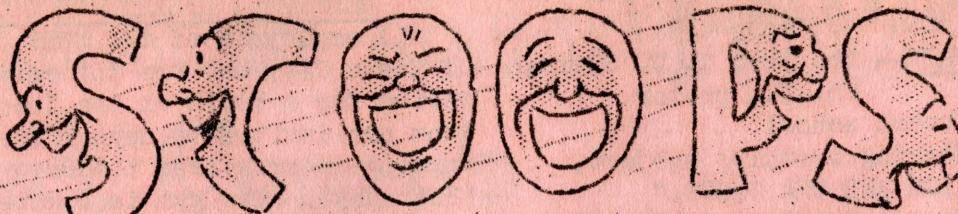
The length of the
Grand Coulee dam will
equal 16 city blocks.

-oOo-

River level is 28
feet from the high
for the year 1937
reached on June 25.

-oOo-





G.H.J.

"Did you say, Dr. Seering, that this man was shot in the woods?"

"No, I said he was shot in the lumbar region."

-ooo-

From the modern marriage service

I would drop the word "obey,"

And would substitute the promise,

"Feed him three good meals a day."

-ooo-

THE GIRL DIDN'T KNOW WHAT HER BOY FRIEND'S INTENTIONS WERE, BECAUSE HE ALWAYS KEPT HER IN THE DARK.

-ooo-

A tourist in Grand Coulee wanted to know how far it was to the dam. A tiny youngster replied, "It's 24,998 miles the way you're going, but if you turn around it ain't but two miles that way."

-ooo-

OVERHEARD IN A ROADSTER: "I WONDER IF IT'S TOO COLD FOR THE DOG BACK THERE WITH GRANDMA?"

-ooo-

"Pa, what's a matrimonial bureau?"

"It's a bureau, son, with six drawers packed full of women's fixings and one man's necktie."

-ooo-

Before Marriage--He talked, she listened.

First Year after--She talked, he listened.

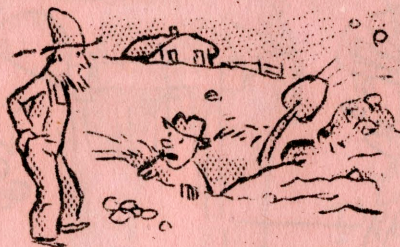
Ever After--They talked, the neighbors listened.

-ooo-

Two ex-miners working here were once a bit down on their luck and they hired out to a farmer to dig potatoes. He put them to work and went away. When he came back that

evening there was a hole about 15 feet deep in the center of the field. When he asked them what the idea was, one replied:

"Well the damned things held out good for the first foot and then pinched out, and we ain't been able to pick up the lead."



Due to a typographical error in yesterday's paper, "detectives" were called "defectives." We herewith beg the pardon of the entire local police force.

--Wilshire (Calif.) Press

-ooo-

Rev. _____, who was injured in an auto mobile accident some weeks ago, has laid aside his crutch and is now able to be up and around with a cane.

--San Fernando (Calif.) Valley

-ooo-

We received the following report from one of the foremen last week:

"I'm sending in the accident report on _____'s foot, which he struck with the spike maul. Now under 'Remarks,' do you want mine or his?"

-ooo-

EXPERIENCE IS WHAT YOU HAVE LEFT WHEN EVERYTHING ELSE IS GONE.

-ooo-

"Business is so quiet that we better have a special sale," said the shoe merchant

"All right," said the store manager, "what shall it be?"

"Well," said the boss, "take that line of \$5 shoes and mark them down from \$10 to \$8.50."

-ooo-

"NOW HE'S HURT JUST BECAUSE HE LEFT STUMBLING BLOCKS AROUND HIS MACHINES."

-ooo-

"It isn't sanitary to have your house built over the hog pen that way."

"Oh, I dunno. We ain't lost a hog in 15 years."

-ooo-

Teacher: "The sentence, 'My father had money,' is in the past tense. Now, Mary, what tense would you be using if you said, 'My father has money.'"

Either Mary, Mary's father or Us: "Present tense."

-ooo-

NO TIME FOR FOOLING

ONCE UPON A TIME THERE WAS A MAN WHO dared a moving avalanche to sweep down upon him. The man was never heeded. And you say he was a fool.

BUT THAT MAN HAS OTHER SUBSTITUTES ON this job. They are those who say that "fate" will entirely decide their destiny that if either their end or other misfortune is coming, nothing they can do will prevent it. This acceptance of fate and its resulting foolhardy activity to end it denies freedom of the will. In so doing it contributes greatly to fatalities, the immediate cause of which may be carelessness or any of a dozen other possibilities.

IN MANY INSTANCES THIS BELIEF IN "WHAT will be, will be" can be discredited in few words. Some authorities state that 98 per cent of accidents are preventable. This means they leave two per cent which might be classified as the result of fate. If you agree with them you agree that in but one out of 50 cases does the inevitable happen--something beyond man's control. The other 49 cases might have been prevented. To carry it further, and it still holds true, if you agree that any one accident might have been prevented you automatically admit that fate does not always control man. If you even think there is the possibility of an accident's having been prevented, you're even doubting fate.

IN OTHER WORDS, UNLESS YOU BELIEVE THE avalanche will always turn aside for you, you'd better stay on the safe side.

-oOo-

Of approximately \$23,647,000 dollars spent by the bureau of reclamation and the MWAK from the beginning of the job up to the year 1937, \$10,697,000 went to the state of Washington. The balance was distributed among 39 other states and the District of Columbia.

California, Illinois, Ohio and New York were grouped together with over 1½ million dollars received.

-oOo-

Grand Coulee dam will be over three times the height of Muscles Shoals dam on the Tennessee river.

TRANSFER READING ROOM

Patrons of the reading room in the north wing of the mess hall will now have occasion to pass through the doorway of Cabin 5 Room 6. The reading room will be transferred from the mess hall to the cabin for use the first of next week. The cabin contains a 20x45-foot room which resulted from the removal of partitions for eight rooms. The one entrance will be through the doorway of Room 6.

The mess hall reading room once contained upward of 700 bound volumes.

It will be used for numerous social functions that come up.

-oOo-

EAST CONVEYOR TRACES DISAPPEAR

Its work was ended seven months ago, and belting and idlers were removed.

And last week the east conveyor saw the beginning removal of other traces.

Since then the timber carrying frames have been removed, leaving only the machinery at the 20 stations.

This will also be moved out.

-oOo-

BORN at the Mason City hospital--

Oct. 6, to Mr. and Mrs. F. W. Black of Osborne, a son.

Oct. 9, to Mr. and Mrs. Dale English of Osborne, a daughter.

-oOo-

An average of three lifts for each east side block remains, government engineers explained. This includes blocks from 57 to 81 inclusive. Scores of east blocks have reached their contract height.

-oOo-

If block 83 will be included in the present contract, it will only involve one or two lifts near the eastmix.

-oOo-

Six copper leads, about 1½ inch in diameter will be placed into rock ditches to connect the electrical overload mat of the east tailrace with the mat under the power house, the government explained. The leads will be placed into ditches cut by blasting and then filled with concrete to prevent being reached with water.

-oOo-

CIVIL SERVICE EXAMINATIONS--

Associate geophysicist, \$3,200 a year and assistant, \$2,600; special agricultural economic writer, \$3,700 and cottonseed technologist, \$3,800 a year.

P O S T P O N E M E N T--ACCORDING TO A LAST MINUTE CHANGE: BASKETBALL PRACTICE WILL BE HELD MONDAY NIGHT AT 7 P.M. AND NOT SATURDAY NIGHT AS MENTIONED ON PAGE 7.

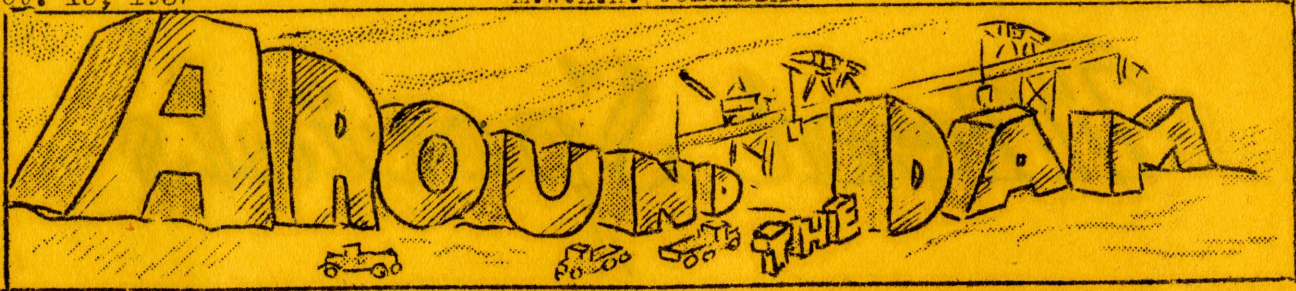
FOUR HUNDRED DOLLARS A SECOND!!

You can talk on your telephone to millions of other telephone users throughout the world and even to many in the Atlantic Ocean aboard liners. A three minute conversation between San Francisco and the Island of Sumatra, half way around the world, costs only \$61.50. A five second conversation that did not take place was responsible for a terrible accident. The time required would have been worth \$400 a second--and no telephone was necessary. Here is what happened as the California State Compensation Insurance fund explained it for the San Francisco bridge before it was completed. The example is very fitting here, or anywhere.

A rigger working on the concrete chute just below the tower hopper, nearly 200 feet above the base of the anchor block, observed that the discharge gate of the hopper was leaking. He began to adjust it while the gate was open and the hopper was empty. The tower hopper operator who regularly operated the gate was mounted on an enclosed platform 10 feet above the rigger and did not know what the rigger was doing. It would have been a simple and a sensible thing for the rigger to say to the tower hopper operator: "STOP THE CONCRETE SKIP! I AM FIXING THE DISCHARGE GATE." Instead he foolishly placed his hand inside the open gate without notifying the tower hopper operator. As the concrete skip was raised, the steel gate closed on the rigger's hand and cruelly mangled it. The skin was laid back, exposing the tendons. Some of the broken bones protruded from the flesh. The injury probably was a permanent impairment and the fingers may never be used as well as before the accident.

A 10-word message from the rigger to the tower hopper operator that would have taken only five seconds to deliver would have prevented a wage and medical expense loss of more than several thousand dollars. Five seconds of time cost more than \$400 a second.

It never pays to take too much for granted. When your work in any way affects what others are doing, use your head and your voice too when necessary so that every one will be properly protected. Understanding your job, careful attention to what you are doing, intelligent and close observation of conditions about you, and your interest and cooperation for accident prevention will help make this job safe for you and everybody on it. NO ONE ELSE CAN DO THIS FOR YOU! IT IS WORTH WHILE TO WORK SAFELY AND AVOID INJURY.



CASH YOUR PAY CHECKS

THE PAYROLL DEPARTMENT RECORDS SHOW THAT MANY EMPLOYEES ARE HOLDING SEVERAL UNCASHED CHECKS. TO FACILITATE THE CHECKING OF OUR PAYROLL ACCOUNT, WE ASK THAT YOU KINDLY CALL FOR AND CASH YOUR CHECKS PROMPTLY.

---MASON-WALSH-ATKINSON-KIER COMPANY

-ooo-

PUMPS READY TO EMPTY 38

The two gates are sunk into position to enclose block 38 but await rubber tubing to make the final seal between concrete and the gates. Three large pumps totaling 15,400 gallons per minute capacity await the seal before emptying the pool inside.

A 250 horse power pump is capable of 8,000 gallons per minute and two 100 horsepower pumps are listed at 3,700 gallons each with a 100-foot head.

The plan calls for using the three pumps on 38 until the water is down, and then transfer them for the same job to block 36. Two 500 gpm. pumps would finish removing water from block 38.

-ooo-

CLEAN UP AS YOU GO ALONG---A SLOPPY JOB IS COSTLY AND CAUSES ACCIDENTS

-ooo-

INSTALL WATER VELOCITY GAUGE

Why had blocks 54-H and J been held from concrete placement? Diamond drilling Wednesday suggested a reason.

The blocks will be used for the installation of a piezometer to measure the differential in the velocity of water over the spillway as it enters the bucket and as it leaves it.

The meter consists of a series of small tubes flush with the surface of the dam and joined through a manometer.

-ooo-

EARTH REMOVAL TAPERS OFF AT COFFERDAMS

The major part of crossriver excavation is completed before flooding of the center area. With the exception of work in the cells, inside excavation for the downstream cofferdam was completed yesterday until flooding. Preparations were under way for ditching along upstream piling for pile removal to 930.

ADDITIONAL ROCK OKAYED

A 70-foot stretch of rock extending out from the topmost part of the excavation area for the east keyway has been okayed by government engineers. The whole area above the mixing plant has had at least one dynamite shot.

While most of the rock is alike in quality, a 60-foot cut may be necessary through one section of the keyway.

-ooo-

HOLDERS OF TICKETS WINNING MASON CITY theatre "Sweepstakes": Bob Gehrke, first; Mrs. N. G. Winebarger, second; and Morse Nelson, third.

-ooo-

LOW BLOCKS RISE FAST

Lowest blocks outside of the bucket section of the dam are at least 130 feet off lowest bedrock. Three blocks Thursday in the 52 block were at 900, nine lifts from completion. No upstream blocks are any lower.

-ooo-

250 ATTENDED THE MESS HALL DINNER yesterday at 1:30 in honor of visiting Postmaster General James A. Farley. Mr. Farley addressed the gathering.

He spent an hour and a half at the dam site and was escorted over the dam by a party which included Frank A. Banks, construction engineer for the bureau of reclamation, and Guy F. Atkinson, vice-president of the MWAK.

-ooo-

SHARP TOOLS ARE SAFE IN CAREFUL HANDS

-ooo-

The last two of the four closure gates are expected to be completed the first of next week.

-ooo-

Excavation of the east tailrace cut is completed.

Meat Specials

PORK 23¢
STEAK LB.

PORK 33¢
CHOPS LB.

STAR
HAMS

BUTT OR HOCK ENDS
PER LB. 27¢

PORK
ROAST
16¢ LB.

PURE PORK
SAUSAGE
BULK
25¢ LB.

VEGETOLE
SHORTENING
11¢ LB.
PKG

MEAT DEPT.
COULEE TRADING CO.